



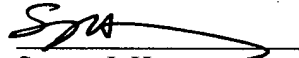
DOCKET NO.: H0682.70007 US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Russell John Williamson et al
Serial No.: 10/821,035
Confirmation No.: 9245
Filed: April 8, 2004
For: FAN SPEED CONTROL
Examiner: Shik Luen Paul Ip
Art Unit: 2837

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 11th day of May, 2006.


Steven J. Henry
Reg. No. 27,900

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:


Transmitted herewith are the following documents:

- ☒ Information Disclosure Statement, PTO-1449 and references
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

A check in the amount of \$180 is enclosed to cover the filing fee. If the fee is insufficient, the balance may be charged to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,


Steven J. Henry
Reg. No. 27,900
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210-2211
(617) 646-8000

Docket No.: H0682.70007 US00
Date: May 11, 2006

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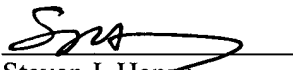
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Steven J. Henry
Reg. No. 27,900

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office action, but before the mailing date of any final action under 37 C.F.R. §1.113, a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application.

The fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) is enclosed.

05/16/2006 SFELEKE1 00000023 10821035

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Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified PTO/SB/08). The order of presentation of the references should not be construed as an indication of the importance of the references.

Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 (modified PTO/SB/08) be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Serial No.: 10/821,035
Conf. No.: 9245

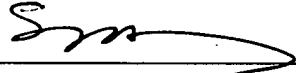
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Art Unit: 2837

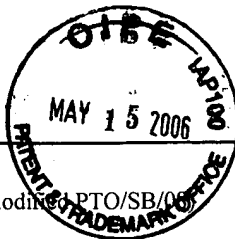
Notwithstanding any statements by the Applicant, the Examiner is urged to form his or her own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By: 
Steven J. Henry, Reg. No. 27,900
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210-2206
(617) 646-8000

Docket No.: H0682.70007 US00
Date: May 11, 2006
xnddx



FORM PTO-1449/A and B (modified PTO/SB/08)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

APPLICATION NO.: 10/821,035

ATTY. DOCKET NO.: H0682.70007 US00

FILING DATE: April 8, 2004

CONFIRMATION NO.: 9245

APPLICANT: Russell John Williamson et al

GROUP ART UNIT: 2837

EXAMINER: Shik Luen Paul Ip

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		4,817,865		Wray	04-04-1989
		4,756,473		Takemae et al	07-12-1988
		5,057,968		Morrison	10-15-1991
		5,102,040		Harvey	04-07-1992
		5,467,607		Harvey	11-21-1995
		5,484,012		Hiratsuka	01-16-1996
		5,714,938		Schwabl	02-03-1998
		5,731,954		Cheon	03-24-1998
		5,777,897		Giorgio	07-07-1998
		6,194,858		Chen	02-27-2001

FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
		WO	01/49093		Analog Devices, Inc.	07-05-2001	
		JP	10-307648		Toshiba Corp	11-17-1998	Y-abst only
		JP	3062572		Twinhead International Corp.	10-08-1999	Y
		JP	10-341158		Mitsubishi Electric Corporation	12-22-1998	Y

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		"PWM Fan Speed Controller with Fault Detection", TelCom Semiconductor, Inc., 3/11/98, pp. 1-14.	
		"MIC502 - Fan Management IC, Advance Information", Micrel, Inc., December 1998, pp. 1-16.	
		Paglia, Paul, "Interfacing Telcom's fan speed controllers to the I2C bus", TelCom Semiconductor, Inc., 9/18/97, pp. 1-3.	

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

[NOTE - No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]

FORM PTO-1449/A and B (modified PTO/SB/08) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/821,035		ATTY. DOCKET NO.: H0682.70007 US00	
				FILING DATE: April 8, 2004		CONFIRMATION NO.: 9245	
				APPLICANT: Russell John Williamson et al			
Sheet	2	of	3	GROUP ART UNIT: 2837		EXAMINER: Shik Luen Paul Ip	

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		4,085,594		Mayer	04-25-1978
		4,903,188		Madhavan et al	02-20-1990
		4,977,375		Toth	12-11-1990
		5,639,163		Davidson et al	06-17-1997
		5,710,519		McCalpin et al	01-20-1998
		5,727,928		Brown	03-17-1998
		6,009,362		Furukawa	12-28-1999
		6,040,668		Huynh et al	03-21-2000
		6,055,489		Beatty et al	04-25-2000
		6,163,266		Fasullo et al	12-19-2000
		6,169,442		Meehan et al	01-02-2001
		6,182,232		Klein	01-30-2001
		6,182,902		Shih	02-06-2001
		6,191,546		Bausch et al	02-20-2001
		6,219,795		Klein	04-17-2001
		6,262,549		Yang et al	07-17-2001
		6,271,638		Erdman et al	08-07-2001
		6,400,113		Garcia et al	06-04-2002
		6,528,987		Blake et al	03-04-2003

EXAMINER:	DATE CONSIDERED:
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]

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				GROUP ART UNIT: 2837		EXAMINER: Shik Luen Paul Ip	
Sheet	3	of	3				

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		5,831,525		Harvey	11-03-1998
		5,892,928		Wallach et al	04-06-1999
		5,987,554		Liu et al	11-16-1999
		5,905,867		Giorgio	05-18-1999
		5,962,933		Henderson et al	10-05-1999
		5,990,582		Henderson et al	11-23-1999
		6,037,732		Alfano et al	03-14-2000
		6,054,823		Collings et al	04-25-2000
		6,073,255		Nouri et al.	06-06-2000
		6,104,003		Jones	08-15-2000
		6,122,746		Nouri et al	09-19-2000
		6,122,758		Johnson et al	09-19-2000
		6,134,667		Suzuki et al	10-17-2000
		6,134,668		Sheikh et al	10-17-2000
		6,138,250		Nouri et al	10-24-2000
		6,145,098		Nouri et al	11-07-2000
		6,163,825		Wallach et al	12-19-2000
		6,163,849		Nouri et al	12-19-2000
		6,170,028 B1		Wallach et al	01-02-2001
		6,170,067 B1		Liu et al	01-02-2001
		6,173,346 B1		Wallach et al	01-09-2001
		6,179,486 B1		Wallach et al	01-30-2001
		6,182,180 B1		Liu et al	01-30-2001
		6,188,189		Blake	02-13-2001
		6,189,109 B1		Sheikh et al	02-13-2001
		6,192,434		Wallach et al	02-20-2001
		6,195,717 B1		Henderson et al	02-27-2001
		6,202,111 B1		Wallach et al	03-13-2001
		6,202,160 B1		Sheikh et al	03-13-2001
		6,208,616 B1		Mahalingam et al.	03-27-2001
		6,219,734 B1		Wallach et al	04-17-2001

EXAMINER	DATE CONSIDERED
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